BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 500000.00

Name of Work: Detailed Estimate for the work of Maintenance of Existing borewells and providing pipe line and drilling of borewell at village areas in ward No- 02 of yelahanka Sub Division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Supply of drinking water through water tanker at yelahanka old town areas in ward no - 02 as per BWSSB approved rates	Nos							
	kondappa layout, Kamakshamma layout, yelahank old town, chowdeshwari layout		6				6.00		
							6.00		
	Per Day 6 loads x 90 days= 540 load @ 360/load = 194400 Enclose approved copy		6	90			540.00	540 360.00	194400.00
2	Lifting of Submersible Pump set (P.46/I.10.3.21 RDED SR (2002-03)	No	5				5	850 750.00	3750.00
3	Transportataion of pumping machineries (P.46/I.103)RDED SR (2002-03) 10-3-19	No	5				5	900 800.00	4000.00
4	A) Repairs to Motor:Rewinding of submersible pump sets with copper insulation wire of suitable gauge as per ISI specification with guarantee of 6months. RDED SR (2002-03)P NO.39/ I,NO.A) 10.1							2500	
	a) -Do - above 3HP upto 5HP	No	4				4	2600.00	10400.00
	b) -Do - above 5HP upto 10HP	No	1				1	3800.00	3800.00
	(Above 5HP upto 10HP add Rs.120/- for every 1/2 HP)							3700	
	B) Replacement of Motor Parts:								
5	Above 5HP Stator (with one year Gurantee) P.No.40/Ino.C(2)RDED SR (2002-03) 10-3-3	No	3				3	5050 4800.00	14400.00
6	Above 5HP Rotor (with one year Gurantee) P.No.40/I No.C(2)RDED SR (2002-03) 10-3-6	No	3				3	4700 4500.00	13500.00
7	Upper Flange P.No.40/I No.3 RDED SR (2002-03) 10-3-7	No	6				6	350 375.00	2250.00
8	Lower Housing P.No.40/I No.4 RDED SR (2002-03) 10-3-10	No	6				6	650.00	3900.00
9	Lower Flange P.No.40/I No.5 RDED SR (2002-03) 10-3-8	No	6				6	350 375.00	2250.00
10	a) Carbon Housing P.No.40/I No.7A RDED SR (2002-03) 10-3-12	No	6				6	475 500.00	3000.00
11	b) Thrust bearing block assembly complete with Segment bearing pad P.No.40/I No.7B RDED SR (2002-03) 10-3-13	No	6				6	1150.00	6900.00
12	c) Tip Carbon /Ferrodo pading P.No.40/I No.7C RDED SR (2002-03) 10-3-14	No	5				5	150.00	750.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
13	Bearing (Gun metal)Centrifugal cast Aluminium Bronze, bearing bush P.No.41/I No,9 RDED SR (2002-03) 56 10-3-16	No	5				5	450 430.00	2150.00
14	Motor Base with pin P.No. 41/ I No.11 RDED SR (2002-03) 56 10-3-18	No	5				5	475 480.00	2400.00
15	Re-erection charges of pumping machineries including overhauling and painting P.No.41/I No 13,RDED SR (2002-03)	No	5				5	950 850.00	4250.00
16	*Labour Charge (overhauling Motor* only) P.No.41/ I No.15 RDED SR (2002-03)	No	5				5	550 600.00	3000.00
17	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement Pump bowls P.No.39 / I No B1 RDED SR (2002-03)	No	5				5	700 650.00	3250.00
18	Intermediate piece (I.P) with IP leaded bronze bush P.No. 44/ I No.B2 RDED SR (2002-03)	No	6				6	650 650.00	3900.00
19	Oil seal P.No. 44/ I No.B3 RDED SR (2002-03)	No	6				6	125 75.00	450.00
20	Oil seal steel bush P.No. 39/ I No.B4 RDED SR (2002-03)	No	6				6	150 85.00	510.00
21	Guide vane Pno 39/I No B5 RDED (2002-03)	No	6				6	175.00	1050.00
22	Impeller (shell moulded with aluminium and Bonze) P No 39/ I no B6 RDED SR 2002-03	No	6				6	425 450.00	2700.00
23	a) Discharge outlet (D.O) Bearing D.O Steel Bush P.No. 39/ I No.B7 RDED SR (2002-03)	No	6				6	445 575.00	3450.00
24	b)D.O Bearing P.No. 39/ I No.B7 RDED SR (2002-03)	No	6				6	325 325.00	1950.00
25	Steel bush (D.O) steel bush) P.No. 39/ I No.B8 RDED SR (2002-03)	No	6				6	150 160.00	960.00
26	Allen Screw P.No. 40/ I No.9 RDED SR (2002-03)	No	6				6	25.00	150.00
27	Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) P.No. 40/ I No.10 RDED SR (2002-03)	No	6				6	950 1150.00	6900.00
28	Pump key (Stainless steel) P.No. 40/ I No.11 RDED SR (2002-03)	No	6				6	125 140.00	840.00
29	Pump coupling (stainless steel) P.No. 40/ I No.12RDED SR (2002-03)	No	6				6	250 300.00	1800.00
30	Non - Return valve (NRV) assembly complete with rubber 'O' Ring P.No. 40/ I No.13RDED SR (2002-03)	No	6				6	1350.00	8100.00
31	Cabble guard P.No. 40/ I No.14RDED SR (2002-03)	No	6				6	150 175.00	1050.00
32	Strainer P.No. 40/ I No.15RDED SR (2002-03)	No	6				6	150.00	900.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
33	Providing and fixing 50 mm dia heavy duty coller SE RDED Approved rate Enclose copy	No	6				6	130.00	780.00
34	KSRB 2-1.1:Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.1, PWD SR 13-14)	Cum							
	for PVC pipe		1	800.00	0.60	0.90	432.00	283.02	
		267					432.00	173.84	75098.88
	Basic Rate	164.00							
	6% area weightage	9.84	16.02						
	Total	173.84	283.02						
34	Providing and instalation at site of works P V C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., Page No.12 item No.3.4.2 b PRED SR 2010-11.	Rmtr						157	
	75 mm dia 6 KSC PVC pipe		1	500.00			500.00	117.00	58500.00
	63mm dia 6 KSC		1	300.00			300.00	88.00	26400.00
								112.00	

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
35	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 13-14) 5.16	cum						76.32	
		72					432.00	59.36	25643.52
	Basic Rate	56.00							
	6% area weightage	3.36	4.32						
	Total	59.36	76.32						
36	Miscelaneous and rounding off.								518.00
								TOTAL	500000.00
	(Rupees Five lakhs Only)								

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.

2 The Estimate is prepared as per the PRED SR 2012-13 and PW,P & IWTD SR 2013-14 and BWSSB Electrical SR 2013-14

3 The provisions were made in this estimate are necessary and adequate.

4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Sanction for Rs. 5.00 Lakh
Five Lakhs only
is accorded under head P. 1771 - 2015.16
Registered as CE No. ..... Subject to ... contained in enclosed memo No. EE/YNK/AO/52/15-16, 2-1-16
Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 5.00 lac
Rupees Five Lakhs only
Under P. 1771 - 2015-16
Registered as CE ( ) No. .....
Subject to ... contained in enclosed memo CE ( ) No. .....
Dt. EE/YNK/TS/65/15.16
Dated 2-1-16 5.00 lac
Executive Engineer